

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	Not Assigned
				Filing Date	Simultaneous Herewith
				First Name of Inventor	Christian X. Campbell
				Group Art Unit	Not Assigned
				Examiner Name	Not Assigned
Sheet	1	of	3	Attorney Docket Number	2003P13115US

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
b	1	3,910,716		Roughgarden, et al	10-07-1975	
a	2	4,396,349		Hueber	08-02-1983	
a	3	4,519,745		Rosman, et al	05-28-1985	
c	4	4,530,884		Erickson, et al	07-23-1985	
c	5	4,563,125		Boudigues, et al	01-07-1986	
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u	41	6,280,550		Steibel, et al	08-2001	
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a	43	6,554,563		Noe, et al	04-2003	

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Unique citation designation number. ³ See attached Kinds of U.S. Patent Documents. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is

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				First Named Inventor	Christian X. Campbell
				Group Art Unit	Not Assigned
Examiner Name	Not Assigned				
Sheet	2	of	3	Attorney Docket Number	2003P13115US

OTHER PRIOR ART - NONPATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
h	A1	AKOPOV, F.A., et al. Cerium Dioxide Refractory Materials. UNITECR '89, pp. 1071-1080.	1
h	A2	PODKLETNOV, E.E. et al. Increasing the Thermal-Shock Resistance of Ceramics Based on Cerium Dioxide Plus Additives. Institute of High Temperatures, Academy of Sciences of the USSR. D.I. Mendeleev Moscow Chemical Technology Institute. Pp. 144-147. Transl. from Ogneupory, No. 3, pp. 20-22, March 1984.	1
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h	A5	PODKLETNOV, E.E. et al. Thermal Shock Resistance and the Mechanical Properties of the Refractory Materials Based on Zirconium and Cerium Dioxides with Layered-Granular Structure. High Temp. Inst. Acadmy of Sciences of the USSR. Scientific-Research Int. of Graphite, P.476-479. (1986)	1
h	A6	SAMESHIMA, S. et al. Thermal Expansion of Rare-Earth-Doped Ceria Ceramics. Journal of the Ceramic Society of Japan, v. 110, No. 7, 2002, pp. 597-600.	1
h	A7	Atlantic Equipment Engineers. Cerium Oxide CeO ₂ ¹⁷²³¹ . Bergenfield, NJ: AEE. www.micronmentals.com/cerium_oxide.htm	1
h	A8	CERIUM: A Guide to Its Role in Chemical Technology. Published by Molycorp, Inc., Mountain Pass, CA, 1992 (reprinted 1995)	1
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h	A10	CERIUM OXIDE POWDER. www.reade.com/Products/Oxides/cerium_oxide.html	1
h	A11	KEMCO INTERNATIONAL ASSOCIATES. Technology Serving the World. Westlake, OH: KIA, Inc., www.kemcointernational.com/CeriumOxide.htm	1
h	A12	KYANITE MINING CORPORATION. Chemical Analysis. www.kyanite.com/chemicalanalysis.html .	1

* NO DATE

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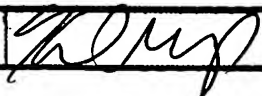
⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is

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				Application Number	Not Yet Assigned
				Filing Date	Simultaneous Herewith
				First Named Inv ntor	Christian X. Campbell
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	3	of	3	Attorney Docket Number	2003P13115US

u	A13	KYANITE MINING CORPORATION. Typical Particle Size Distribution of Virginia Kyanite & Mullite. www.kyanite.com/mullitemesh.html	*
t	A14	KYANITE MINING CORPORATION. Mullite: 3(Al ₂ O ₃).2(SiO ₂). www.kyanite.com/mullite.html	*
R	A15	KYANITE-MULLITE STATISTICS AND INFORMATION. http://Minerals.er.usgs.gov/minerals/pubs/commodity/kyanite	*

Examiner Signature		Date Considered	7/7/05
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R NO DATE

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